

Recovery Plan Action Status

Plan Name: Recovery Plan *Crescentia portoricensis*

Plan Status: Final

Plan Date: 23-Sep-91

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

(877-851-7297)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Higuero de sierra (<i>Crescentia portoricensis</i>)	1	112	Cooperate with PRDNR in the preparation of a management plan for Maricao and Susua Forests.	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4	Management	Internal Administrative	No cost anticipated.
Higuero de sierra (<i>Crescentia portoricensis</i>)	2	121	Monitor known populations.	Ongoing Not Current	Prior to FY 1995	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Management: Population Monitoring, Research: Population Assessment, Research: Population Surveys	Contract, Graduate Student	
Higuero de sierra (<i>Crescentia portoricensis</i>)	1	122	Enforce existing Federal and Commonwealth endangered species regulations.	Ongoing Current	Prior to FY 1995	FY 2011	U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources	Other: Information and Education, Other: Law Enforcement	Internal Administrative	One DNR ranger half-time.
Higuero de sierra (<i>Crescentia portoricensis</i>)	2	123	Educate public on plant conservation and regulations.	Ongoing Current	Prior to FY 1995	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4	Other: Information and Education	Internal Administrative	
Higuero de sierra (<i>Crescentia portoricensis</i>)	2	211	Identify and inventory potential sites.	Ongoing Not Current			U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Management: Identify/Protect Foraging, Breeding and Mig Habitats, Research: Demographic Studies	Graduate Student, Internal Field Assistance	Includes 211 and 212. Duration of Plan is 2-4 yrs.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Higuero de sierra (Crescentia portoricensis)	2	212	Characterize sites to determine suitability for future recovery actions.	Planned	FY 2011		U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Management, Research: Ecosystem Studies, Research: Habitat Status	Graduate Student, Internal Field Assistance	Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	31	Define habitat requirements.	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Research: Habitat Requirements	Graduate Student, Species Expert	Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	321	Assess periodicity of flowering and pollination.	Partially Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Research: Reintroduction	Contract, Graduate Student	The 12k/yr includes 321, 322, 323, 324 and 325. Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	322	Assess seed production and dispersal.	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Research: Propagation	Graduate Student, Species Expert	Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	323	Assess seed viability and germination.	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Research: Propagation	Contract, Graduate Student	Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	324	Evaluate requirements for seedling establishment and growth.	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Research: Propagation	Graduate Student, Species Expert	Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	325	Evaluate role of vegetation regeneration.	Partially Complete	Prior to FY 1995	FY 1995 - FY 1999	Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources, USFWS Regional Office 4	Research: Propagation	Contract, Graduate Student	Task Duration 2-4 yrs.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Higuero de sierra (Crescentia portoricensis)	2	331	Assess relative propagation feasibility.	Ongoing Not Current	Prior to FY 1995	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources	Research: Propagation	Contract, Graduate Student	1K/yr covers 331 and 332. Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	332	Determine feasibility of ex situ production.	Ongoing Current	FY 1995 - FY 1999	FY 2011	Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Work type not yet selected	Graduate Student, Internal Field Assistance	Task Duration 2-4 yrs.
Higuero de sierra (Crescentia portoricensis)	2	341	Assess habitat suitability.	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Research: Ecosystem Studies, Research: Habitat Requirements, Research: Habitat Status	Contract, Graduate Student, Volunteer	
Higuero de sierra (Crescentia portoricensis)	2	342	Assure site protection.	Ongoing Not Current	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources	Management, Management: Other	Internal Field Assistance	
Higuero de sierra (Crescentia portoricensis)	2	41	Propagation of plants.	Ongoing Current	FY 1995 - FY 1999	FY 2011	Botanical Gardens, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources	Management: Propagation	Internal Field Assistance	3K/yr covers 41 and 42.
Higuero de sierra (Crescentia portoricensis)	2	42	Introduction of propagation material.	Ongoing Current	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources	Management: Reintroduction	Internal Field Assistance	
Higuero de sierra (Crescentia portoricensis)	2	51	Determine number of individuals and populations necessary to ensure species' self-perpetuation	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural Resources	Research: Population Assessment, Research: Population Surveys	Graduate Student	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Higuero de sierra (Crescentia portoricensis)	2	52	Determine what additional actions are needed to achieve recovery objectives.	Ongoing Current	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources	Management	Internal Field Assistance	